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ashkenazi-avi\$.in. ▲▼

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USPT	ashkenazi-avi\$.in.	4	<u>L5</u>
USPT	l3 and (apopt\$ or tnf\$)	31	<u>L4</u>
USPT	l1 or l2	20294	<u>L3</u>
USPT	LIT or TR5	20161	<u>L2</u>
USPT	Apo-2DcR or TRAIL-3 or TRID or DcR1	134	<u>L1</u>

AC W64668;
 DT 23-OCT-1998 (first entry)
 DE Human TRID protein.
 KW TRAIL receptor without intracellular domain; TRID; TNFR-5; human;
 KW tumour necrosis factor receptor-5; TNF-related apoptosis-inducing ligand;
 KW haematopoietic tissue; immune system; ligand; apoptosis; treatment.
 OS Homo sapiens.
 FH Key Location/Qualifiers
 FT Peptide 1..27
 FT /label= signal
 FT Protein 27..259
 FT /label= TRID
 FT Region 42..52
 FT /label= epitope
 FT Region 58..66
 FT /label= epitope
 FT Region 68..76
 FT /label= epitope
 FT Region 79..85
 FT /label= epitope
 FT Region 91..102
 FT /label= epitope
 FT Region 110..122
 FT /label= epitope
 FT Region 126..136
 FT /label= epitope
 FT Region 142..148
 FT /label= epitope
 PN WO9830693-A2.
 PD 16-JUL-1998.
 PF 13-JAN-1998; U00152.
 PR 07-AUG-1997; US-054885.
 PR 14-JAN-1997; US-035496.
 PA (HUMA-) HUMAN GENOME SCI INC.
 PI Ebner R, Feng P, Gentz RL, Ni J, Ruben SM, Wei Y,
 PI Yu G;
 DR WPI; 98-399141/34.
 DR N-PSDB; V51348.
 PT Human TRAIL receptor without an intracellular domain polypeptide -
 PT used in the diagnosis of immune system-related disorder(s)
 PS Claim 1b; Fig 1; 90pp; English.
 CC This sequence represents a human TRID (TRAIL (TNF-related
 CC apoptosis-inducing ligand) receptor without an intracellular domain).
 CC TRID is a member of the tumour necrosis factor receptor (TNFR) family
 CC also known as TNFR-5. TRID is expressed in haematopoietic tissues and
 CC other normal human tissues. For a number of immune system-related
 CC disorders, substantially altered (whether increased or decreased) levels
 CC of TRID gene expression can be detected, therefore the TRID polypeptides,
 CC nucleic acids and antibodies are useful in the diagnosis of such immune
 CC system related disorders. Mutations of the TRID gene can also be
 CC detected. TRID can also be used to identify ligands which may be useful
 CC in the treatment of apoptosis related disorders. TRID is administered to
 CC humans at a parenteral dose of 0.01 to 1 mg/kg/day.
 SQ Sequence 259 AA;

Query Match 100.0%; Score 1783; DB 34; Length 259;
 Best Local Similarity 100.0%; Pred. No. 1.42e-127;

AC W76331;
 DT 11-JAN-1999 (first entry)
 DE Human tumour necrosis related receptor TR5.
 KW Tumour necrosis related receptor; TR5; human; inflammation;
 KW arthritis; septicaemia; transplant rejection; autoimmune disease;
 KW inflammatory bowel disease; graft versus host disease; infection;
 KW stroke; ischaemia; acute respiratory disease syndrome; psoriasis;
 KW restenosis; brain injury; AIDS; bone disease; cancer;
 KW atherosclerosis; Alzheimer's disease; therapy; diagnosis.
 OS Homo sapiens.
 FH Key Location/Qualifiers
 FT Peptide 1..165
 FT /label= Sig_peptide
 FT Protein 66..299
 FT /label= Mat_protein
 PN EP-867509-A2.
 PD 30-SEP-1998.
 PF 04-FEB-1998; 300827.
 PR 28-JUL-1997; US-901469.
 PR 05-FEB-1997; US-795910.
 PA (SMIK) SMITHKLINE BEECHAM CORP.
 PI Lyn SDP, Tan KB, Truneh A, Young PR;
 DR WPI; 98-497862/43.
 DR N-PSDB; V56990.
 PT New polynucleotide encoding TR5 polypeptide - used to diagnose,
 PT prevent and treat e.g. inflammation, arthritis, septicaemia,
 PT autoimmune diseases, infections, stroke, ischaemia, ARDS, psoriasis,
 PT restenosis, brain injury, AIDS and bone diseases
 PS Claim 5; Fig 1; 22pp; English.
 CC This is the amino acid sequence of human tumour necrosis related
 CC receptor TR5, as deduced from the sequence of an isolated cDNA
 CC clone (see V56990). The protein is characterised as a GPI-linked
 CC protein that has a membrane proximal O-glycosylation region. The
 CC invention provides methods for the recombinant production of TR5
 CC and its use in diagnostic and therapeutic methods. Treatment of a
 CC subject in need of enhanced TR5 activity comprises administering an
 CC agonist to the polypeptide and/or providing TR5 polynucleotide in a
 CC form so as to effect production of the polypeptide activity in vivo.
 CC Treatment of a subject with the need to inhibit TR5 polypeptide
 CC activity comprises administering an antagonist to the polypeptide,
 CC administering a nucleic acid that inhibits the expression of the
 CC nucleotide sequence encoding the polypeptide and/or administering a
 CC polypeptide that competes with the polypeptide for its ligand,
 CC substrate or receptor. Diagnosing a disease or a susceptibility
 CC to a disease related to expression or activity of TR5 polypeptide,
 CC comprises determining the presence or absence of mutation in the
 CC nucleotide sequence encoding the TR5 polypeptide in the genome of
 CC the subject and/or analysing for the presence or amount of TR5
 CC polypeptide expression in a sample. Identification of compounds
 CC which bind to TR5 comprises contacting host cells with a candidate
 CC compound and assessing the ability of it to bind to the cells. The
 CC active agents can be used for the treatment of chronic and acute
 CC inflammation, arthritis, septicaemia, autoimmune diseases (e.g.
 CC inflammatory bowel disease, psoriasis), transplant rejection,
 CC graft vs host disease, infection, stroke, ischaemia, acute
 CC respiratory disease syndrome, restenosis, brain injury, AIDS, bone
 CC diseases, cancer (e.g. lymphoproliferative disorders),

CC atherosclerosis and Alzheimer's disease.
SQ Sequence 299 AA;

Query Match 100.0%; Score 1783; DB 36; Length 299;
Best Local Similarity 100.0%; Pred. No. 1.42e-127;
Matches 259; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MARIPKTLKFVVVIVAVLLPVLAYSATTARQEEVPQQTVA PQQRHSFKGEECPAGSHRS 60

Db     101 ehtgacnpctegvdytnasnnepscfpctvcksdqkhkssctmtrdtvcqckegtfrnen 160
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Qy     61 EHTGACNPCTEGVDYTNASNNEPSCFPCTVCKSDQKHKSSCTMTRDTVCQCKEGTFRNEN 120
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Apo-2DcR

SUMMARIES

Result No.	Score	Query		DB	ID	Description	Pred. No.
		Match	Length				
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2	1783	100.0	259	14	US-08-924-	Sequence 6, Applicatio	1.98e-136
3	1783	100.0	259	2	US-60-035-	Sequence 2, Applicatio	1.98e-136
4	1783	100.0	259	13	US-08-878-	Sequence 1, Applicatio	1.98e-136
5	1783	100.0	259	15	US-09-096-	Sequence 1, Applicatio	1.98e-136
6	1783	100.0	259	13	US-08-878-	Sequence 1, Applicatio	1.98e-136
7	1783	100.0	299	17	US-09-205-	Sequence 11, Applicati	1.98e-136
8	1783	100.0	299	12	US-08-795-	Sequence 2, Applicatio	1.98e-136
9	1783	100.0	299	13	US-08-878-	Sequence 3, Applicatio	1.98e-136
10	1783	100.0	299	15	US-09-096-	Sequence 3, Applicatio	1.98e-136
11	1783	100.0	299	1	PCT-US98-1	Sequence 2, Applicatio	1.98e-136
12	1783	100.0	299	17	US-09-266-	Sequence 8, Applicatio	1.98e-136
13	1783	100.0	299	16	US-09-134-	Sequence 4, Applicatio	1.98e-136
14	1783	100.0	299	13	US-08-883-	Sequence 2, Applicatio	1.98e-136
15	1783	100.0	299	17	US-09-229-	Sequence 2, Applicatio	1.98e-136
16	1783	100.0	299	15	US-09-079-	Sequence 2, Applicatio	1.98e-136
17	1783	100.0	299	1	PCT-US99-0	Sequence 8, Applicatio	1.98e-136
18	1783	100.0	299	13	US-08-878-	Sequence 3, Applicatio	1.98e-136
19	1783	100.0	299	14	US-08-901-	Sequence 2, Applicatio	1.98e-136
20	823	46.2	386	16	US-09-130-	Sequence 6, Applicatio	7.60e-56
21	823	46.2	386	13	US-08-892-	Sequence 2, Applicatio	7.60e-56

AC 014798;
 DT 01-JAN-1998 (TREMBLREL. 05, CREATED)
 DT 01-JAN-1998 (TREMBLREL. 05, LAST SEQUENCE UPDATE)
 DT 01-NOV-1998 (TREMBLREL. 08, LAST ANNOTATION UPDATE)
 DE CYTOTOXIC TRAIL RECEPTOR-3.
 GN TRAIL-R3.
 OS HOMO SAPIENS (HUMAN).
 OC EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; MAMMALIA; EUTHERIA; PRIMATES;
 OC CATARRHINI; HOMINIDAE; HOMO.
 RN [1]
 RP SEQUENCE FROM N.A.
 RA MACFARLANE M., AHMAD M., SRINIVASULA S.M., FERNANDES-ALNEMRI T.,
 RA COHEN G.M., ALNEMRI E.S.;
 RL J. BIOL. CHEM. 0:0-0(1997).
 RN [2]
 RP SEQUENCE FROM N.A.
 RX MEDLINE; 97461602.
 RA DEGLI-ESPOSTI M.A., SMOLAK P.J., WALCZAK H., WAUGH J., HUANG C.P.,
 RA DUBOSE R.F., GOODWIN R.G., SMITH C.A.;
 RT "Cloning and characterization of TRAIL-R3, a novel member of the
 RT emerging TRAIL receptor family."
 RL J. EXP. MED. 186:1165-1170(1997).
 DR EMBL; AF020502; G2443820; -.
 DR EMBL; AF014794; G2957264; -.
 DR PFAM; PF00020; TNFR_c6; 2.
 SQ SEQUENCE 299 AA; 31759 MW; 59B93A14 CRC32;

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 Best Local Similarity 100.0%; Pred. No. 5.82e-237;
 Matches 259; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	61	EHTGACNPCTEGVDYTNASNNEPSCFPCTVCKSDQKHKS	SCTMTRDTCQCKEGTFRNEN	120
Db	161	SPEMCRKCSRCPSGEVQVSNCTSWDDIQCVEEFGANATVETPAAEETMNTSPGTPAPAAE	220	
Qy	121	SPEMCRKCSRCPSGEVQVSNCTSWDDIQCVEEFGANATVETPAAEETMNTSPGTPAPAAE	180	
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Qy	181	ETMNTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPASSHY	240	
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Qy	241	LSCTIVGIIVLIVLLIVFV	259	

AC 014755;
 DT 01-JAN-1998 (TREMBLREL. 05, CREATED)
 DT 01-JAN-1998 (TREMBLREL. 05, LAST SEQUENCE UPDATE)
 DT 01-NOV-1998 (TREMBLREL. 08, LAST ANNOTATION UPDATE)
 DE TRAIL RECEPTOR 3.
 OS HOMO SAPIENS (HUMAN).
 OC EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; MAMMALIA; EUTHERIA; PRIMATES;
 OC CATARRHINI; HOMINIDAE; HOMO.
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE=LIVER, AND SPLEEN;
 RA SCHNEIDER P., BODMER J.-L., THOME M., HOLLER N., HOFMANN K.,
 RA TSCHOPP J.;
 RL FEBS LETT. 0:0-0(1997).
 DR EMBL; AF016267; G2529565; -.
 DR PFAM; PF00020; TNFR_c6; 2.
 SQ SEQUENCE 259 AA; 27365 MW; 3C196935 CRC32;

Query Match 99.5%; Score 1774; DB 4; Length 259;
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Db	61	EHTGACNPCTEGVDYTNASNNEPSCFPCTVCKSDQKHKSCTMTRDTCQCKEGTFRNVN	120
Qy	61	EHTGACNPCTEGVDYTNASNNEPSCFPCTVCKSDQKHKSCTMTRDTCQCKEGTFRNEN	120
Db	121	SPEMCRKCSRCPSGEVQVSNCTSWDDIQCVEEFGANATVETPAAEETMNTSPGTPAPAAE	180
Qy	121	SPEMCRKCSRCPSGEVQVSNCTSWDDIQCVEEFGANATVETPAAEETMNTSPGTPAPAAE	180
Db	181	ETMNTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPASSHY	240
Qy	181	ETMNTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPASSHY	240
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Qy	241	LSCTIVGIIVLIVLLIVFV	259

LOCUS AF012536 1180 bp mRNA PRI 21-AUG-1997
 DEFINITION Homo sapiens decoy receptor 1 (DcR1) mRNA, complete cds.
 ACCESSION AF012536
 NID g2338421
 VERSION AF012536.1 GI:2338421
 KEYWORDS .
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1180)
 AUTHORS Sheridan,J.P., Marsters,S.A., Pitti,R.M., Gurney,A., Skubatch,M.,
 Baldwin,D., Ramakrishnan,L., Gray,C.L., Baker,K., Wood,W.I.,
 Goddard,A.D., Godowski,P. and Ashkenazi,A.
 TITLE Control of TRAIL-induced apoptosis by a family of signaling and
 decoy receptors
 JOURNAL Science 277 (5327), 818-821 (1997)
 MEDLINE 97390509
 REFERENCE 2 (bases 1 to 1180)
 AUTHORS Sheridan,J.P., Marsters,S.A., Pitti,R.M., Gurney,A., Baldwin,D.,
 Ramakrishnan,L., Gray,C.L., Baker,K., Wood,W.I., Goddard,A.D.,
 Godowski,P. and Ashkenazi,A.
 TITLE Direct Submission
 JOURNAL Submitted (06-JUL-1997) Molecular Oncology, Genentech, 1 DNA Way,
 South San Francisco, CA 94080, USA
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 Db 1 GCTGTGGGAACCTCTCCACGCGCACGAACTCAGCCAACGATTTCTGATAGATTTTGGGA 60

LOCUS AF033854 1377 bp mRNA PRI 27-NOV-1997
 DEFINITION Homo sapiens lymphocyte inhibitor of TRAIL (LIT) mRNA, complete cds.
 ACCESSION AF033854
 NID g2645841
 VERSION AF033854.1 GI:2645841
 KEYWORDS .
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1377)
 AUTHORS Mongkolsapaya, J., Cowper, A., Xu, X., Morris, G., McMichael, A. J., Bell, J. I. and Screaton, G. R.
 TITLE Lymphocyte inhibitor of TRAIL: A new receptor protecting lymphocytes from the death ligand TRAIL
 JOURNAL J. Immunol. (1997) In press
 REFERENCE 2 (bases 1 to 1377)
 AUTHORS Mongkolsapaya, J., Cowper, A., Xu, X., Morris, G., McMichael, A. J., Bell, J. I. and Screaton, G. R.
 TITLE Direct Submission
 JOURNAL Submitted (10-NOV-1997) Immunology, Institute of Molecular Medicine, John Radcliffe Hospital, Headington, Oxford OX3 9DS, UK
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Qy	137	CTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTCGGAACCATACCATGG	196
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Qy	377	ATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCAACAATG	436
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Qy	437	AACCTTCTTGCTTCCCATGTACAGTTTGTAAATCAGATCAAAAACATAAAAAGTTCCTGCA	496
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Qy	557	CAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCAGTAATTGTA	616
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Qy	617	CGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGGAAACCC	676
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Qy	677	CAGCTGCTGAAGAGACAATGAACACCAGCCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGA	736
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LOCUS AF016267 1388 bp mRNA PRI 04-MAR-1999
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 NID g2529564
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 KEYWORDS .
 SOURCE human.
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 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1388)
 AUTHORS Schneider,P., Bodmer,J.L., Thome,M., Hofmann,K., Holler,N. and
 Tschopp,J.
 TITLE Characterization of two receptors for TRAIL
 JOURNAL FEBS Lett. 416 (3), 329-334 (1997)
 MEDLINE 98039016
 REFERENCE 2 (bases 1 to 1388)
 AUTHORS Schneider,P., Bodmer,J.-L., Thome,M., Holler,N., Hofmann,K. and
 Tschopp,J.
 TITLE Direct Submission
 JOURNAL Submitted (28-JUL-1997) Institute of Biochemistry, University of
 Lausanne, Chemin des Boveresses 155, Epalinges, VD 1066,
 Switzerland
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Query Match 91.7%; Score 1081.8; DB 42; Length 1388;
 Best Local Similarity 99.7%; Pred. No. 2e-215;
 Matches 1094; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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 Qy 77 AAGGGGTGAAGGAGCGCTTCTACCGTTAGGGAACCTCTGGGGACAGAGCGCCCCGGCCGC 136
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Qy 137 CTGATGGCCGAGGCAGGGTGCACCCAGGACCCAGGACGGCGTCGGAACCATAACCATGG 196
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Qy 197 CCCGGATCCCCAAGACCCTAAAGTTCGTTCGTTCATCGTCGCGGTCTGCTGCCAGTCC 256
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Qy 257 TAGCTTACTCTGCCACCACTGCCCGGCAGGAGGAAGTTCCCCAGCAGACAGTGGCCCCAC 316
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Qy 317 AGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGCAGGATCTCATAGATCAGAAC 376
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Qy 377 ATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCAACAATG 436
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 Db 372 ATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCAACAATG 431

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Qy 497 CCATGACCAGAGACACAGTGTGTTCAGTGTAAAGAAGGCACCTTCCGGAATGAAAACCTCCC 556
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 Db 492 CCATGACCAGAGACACAGTGTGTTCAGTGTAAAGAAGGCACCTTCCGGAATGTAACTCCC 551

Qy 557 CAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCAGTAATTGTA 616
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Qy 617 CGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGGAAACCC 676
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Qy 677 CAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGA 736
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Qy 737 CAATGAACACCAGCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCC 796
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Qy 797 CGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCC 856
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 Db 792 CGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCC 851

Qy 857 CAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTCATTACCTCT 916
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Qy 917 CATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGTGTTGAAAGA 976
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Qy	1037	CGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCCACAGACAGAAAC	1096
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Qy	1097	GCCTGCCCCTGCCCCAA	1113
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LOCUS AF014794 1365 bp mRNA PRI 13-MAR-1998
 DEFINITION Homo sapiens TNF related TRAIL receptor (TRAIL-R3) mRNA, complete cds.
 ACCESSION AF014794
 NID g2957263
 VERSION AF014794.1 GI:2957263
 KEYWORDS .
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1365)
 AUTHORS Degli-Esposti,M.A., Smolak,P.J., Walczak,H., Waugh,J., Huang,C.P., DuBose,R.F., Goodwin,R.G. and Smith,C.A.
 TITLE Cloning and characterization of TRAIL-R3, a novel member of the emerging TRAIL receptor family
 JOURNAL J. Exp. Med. 186 (7), 1165-1170 (1997)
 MEDLINE 97461602
 REFERENCE 2 (bases 1 to 1365)
 AUTHORS Degli-Esposti,M.A.
 TITLE Direct Submission
 JOURNAL Submitted (15-JUL-1997) Biochemistry, Immunex, 51 University Street, Seattle, WA 98101, USA
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 Best Local Similarity 100.0%; Pred. No. 2.8e-210;
 Matches 1057; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Qy 117 GGACAGAGCGCCCCGCCGCTGATGGCCGAGGCAGGGTGCACCCAGGACCCAGGACGG 176

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Db	134		CGTCGGAACCATACCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGT	193
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Qy	537		CTTCCGGAATGAAAACCTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGA	596
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Qy	597		AGTCCAAGTCAGTAATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGC	656
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Db	614		CAATGCCACTGTGGAAACCCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCC	673
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Qy	777		AGAGACAATGACCACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCAC	836
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Db	794		CAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCC	853
Qy	897		TGCCTCTTCTCATTACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCT	956
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Db 914 GATTGTGTTTGTGTTGAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTTC 973

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LOCUS       AF020502             900 bp      mRNA                      PRI          04-MAR-1999
DEFINITION  Homo sapiens cytotoxic TRAIL receptor-3 (TRAIL-R3) mRNA, complete
            cds.
ACCESSION   AF020502
VERSION     AF020502.1   GI:2443819
KEYWORDS     .
SOURCE      human.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
            Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1 (bases 1 to 900)
  AUTHORS   MacFarlane,M., Ahmad,M., Srinivasula,S.M., Fernandes-Alnemri,T.,
            Cohen,G.M. and Alnemri,E.S.
  TITLE     Identification and molecular cloning of two novel receptors for the
            cytotoxic ligand TRAIL
  JOURNAL   J. Biol. Chem. 272 (41), 25417-25420 (1997)
  MEDLINE   97467318
REFERENCE   2 (bases 1 to 900)
  AUTHORS   MacFarlane,M., Ahmad,M., Srinivasula,S.M., Fernandes-Alnemri,T.,
            Cohen,G.M. and Alnemri,E.S.
  TITLE     Direct Submission
  JOURNAL   Submitted (21-AUG-1997) Department of Microbiology and Immunology,
            Kimmel Cancer Institute, 233 S. 10th Street, Philadelphia, PA
            19107, USA
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                       /note="TNFR family member; binds cytotoxic ligand TRAIL;
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BASE COUNT      228 a      262 c      240 g      170 t
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Query Match              76.1%;  Score 898.4;  DB 42;  Length 900;
Best Local Similarity    99.9%;  Pred. No. 2.3e-177;
Matches 899;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

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Qy	253	GTCCTAGCTTACTCTGCCACCACTGCCCCGGCAGGAGGAAGTTCCCCAGCAGACAGTGGCC	312
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LOCUS AF012629 780 bp mRNA PRI 21-AUG-1997
 DEFINITION Homo sapiens antagonist decoy receptor for TRAIL/Apo-2L (TRID)
 mRNA, complete cds.
 ACCESSION AF012629
 NID g2338430
 VERSION AF012629.1 GI:2338430
 KEYWORDS .
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 780)
 AUTHORS Pan,G., Ni,J., Wei,Y.F., Yu,G., Gentz,R. and Dixit,V.M.
 TITLE An antagonist decoy receptor and a death domain-containing receptor
 for TRAIL
 JOURNAL Science 277 (5327), 815-818 (1997)
 MEDLINE 97390508
 REFERENCE 2 (bases 1 to 780)
 AUTHORS Pan,G., Ni,J., Wei,Y., Yu,G., Gentz,R. and Dixit,V.M.
 TITLE Direct Submission
 JOURNAL Submitted (06-JUL-1997) Pathology, University of Michigan, 1301
 Catherine Road, Room 7518, Ann Arbor, MI 48109, USA
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LOCUS AF029761 1726 bp mRNA PRI 08-JAN-1999
 DEFINITION Homo sapiens decoy receptor 2 mRNA, complete cds.
 ACCESSION AF029761
 NID g4106963
 VERSION AF029761.1 GI:4106963
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 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1726)
 AUTHORS Marsters,S.A., Sheridan,J.P., Pitti,R.M., Huang,A., Skubatch,M.,
 Baldwin,D., Yuan,J., Gurney,A., Goddard,A.D., Godowski,P. and
 Ashkenazi,A.
 TITLE A novel receptor for Apo2L/TRAIL contains a truncated death domain
 JOURNAL Curr. Biol. 7 (12), 1003-1006 (1997)
 MEDLINE 98044290
 REFERENCE 2 (bases 1 to 1726)
 AUTHORS Marsters,S.A., Sheridan,J.P., Pitti,R.M., Huang,A., Skubatch,M.,
 Baldwin,D., Yuan,J., Gurney,A., Goddard,A.D., Godowski,P. and
 Ashkenazi,A.
 TITLE Direct Submission
 JOURNAL Submitted (14-OCT-1997) Molecular Oncology, Genentech, 1 DNA Way,
 South San Francisco, CA 94080, USA
 REFERENCE 3 (bases 1 to 1726)
 AUTHORS Marsters,S.A., Sheridan,J.P., Pitti,R.M., Huang,A., Skubatch,M.,
 Baldwin,D., Yuan,J., Gurney,A., Goddard,A.D., Godowski,P. and
 Ashkenazi,A.
 TITLE Direct Submission
 JOURNAL Submitted (06-JAN-1999) Molecular Oncology, Genentech, 1 DNA Way,
 South San Francisco, CA 94080, USA
 REMARK Sequence update by submitter
 COMMENT On Jan 6, 1999 this sequence version replaced gi:2688980.
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Query Match 36.5%; Score 430.2; DB 11; Length 1726;
Best Local Similarity 77.7%; Pred. No. 3.8e-80;
Matches 579; Conservative 0; Mismatches 143; Indels 23; Gaps 4;

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Qy      6 GGGAACCTCTCCACGCGCACGAACTCAGCCAACGATTTCTGATAGATTTTTGGGAGTTTG 65
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      2 GAGAACCTTTGCACGCGCACAAACTACGGGGACGATTTCTGATTGATTTTTGGCGCTTTC 61

Qy     66 ACCAGAGATGCAAGGGGTGAAGGAGCGCTTCCTACCGTTAGGGAACCTCTGGGGACAGAGC 125
      | | | | | | | | | | | | | | | | | | | | | | | |
Db     62 -----GATCCACCCTCCTCCCTTCTCATGGGACTTTGGGGACAAAGC 103

Qy    126 GCCCCGGCCGCCT-GATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTCGGGA 184
      | | | | | | | | | | | | | | | | | | | | | | | |
Db    104 GTCCCGACCGCCTCGAGCGCTCGAGCAGGGCGCTATCCAGGAGCCAGGACAGCGTCGGGA 163
```


AC V84347;
 DT 26-APR-1999 (first entry)
 DE Human Apo-2DcR cDNA clone DNA33085.
 KW Apo-2DcR; human; apoptosis; tumour necrosis factor receptor;
 KW neurodegeneration; autoimmune disease; inflammation; cancer;
 KW therapy; ds.
 OS Homo sapiens.
 FH Key Location/Qualifiers
 FT CDS 193. .972
 FT /*tag= a
 FT sig_peptide 193. .279
 FT /*tag= b
 FT mat_peptide 280. .969
 FT /*tag= c
 FT CDS 93. .972
 FT /*tag= d
 FT /note= "alternative translational initiation
 FT site at 93. .95, encodes amino acid
 FT residues -40 to 259 of Apo-2DcR"
 PN WO9858062-A1.
 PD 23-DEC-1998.
 PF 12-JUN-1998; U12456.
 PR 18-JUN-1997; US-878168.
 PA (GETH) GENENTECH INC.
 PI Ashkenazi AJ, Baker KP, Chuntharapai A, Gurney A,
 PI Kim KJ, Wood WI;
 DR WPI; 99-095340/08.
 DR P-PSDB; W84347.
 PT New Apo-2DcR polypeptide - used for modulation and diagnosis of
 PT apoptosis, e.g. in neurodegeneration
 PS Claim 36; Page 51-53; 88pp; English.
 CC cDNA clone DNA33085 codes for human Apo-2DcR (see W88408), a novel
 CC member of the tumour necrosis factor receptor family that binds to
 CC Apo-2 ligand. It was isolated by: transformation of yeast with a
 CC vector incorporating human breast carcinoma cDNA; isolation of
 CC yeast clones secreting amylase; PCR amplification (see V84349-50)
 CC of the insert directly from the yeast colony and purification of
 CC DNA for sequencing; use of an isolated sequence (DNA21705) as a
 CC probe to screen a human foetal lung library; and isolation of the
 CC full-length clone, which is deposited as ATCC 209087. An
 CC alternative translational initiation site encodes amino acid
 CC residues -40 to 259 of Apo-2DcR (see W88409). The invention
 CC provides vectors and host cells for recombinant production of
 CC Apo-2DcR polypeptides, antibodies, and transgenic and knockout
 CC animals (useful e.g. for screening and developing drugs that protect
 CC against excessive apoptosis). Apo-2DcR, or chimeras comprising
 CC Apo-2DcR or its extracellular domain fused to a heterologous
 CC polypeptide are used to modulate apoptosis of mammalian cells
 CC (claimed) and/or NF-kappaB activation by Apo-2 ligand, and may be
 CC expressed in vivo or ex vivo for gene therapy. They can be used in
 CC methods for the modulation and diagnosis of apoptosis e.g. in cases
 CC of neurodegeneration, autoimmune diseases and inflammation. Most
 CC human tumour cells do not express Apo-2DcR transcripts, but normal
 CC tissues do, suggesting that Apo-2DcR may permit selective killing
 CC of cancer cells by Apo-2 ligand, possibly by protecting normal, but
 CC not cancerous, cells.
 SQ Sequence 1180 BP; 338 A; 326 C; 298 G; 218 T;

Query Match 100.0%; Score 1180; DB 1; Length 1180;
Best Local Similarity 100.0%; Pred. No. 5.8e-240;
Matches 1180; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GCTGTGGGAACCTCTCCACGCGCACGAACTCAGCCAACGATTTCTGATAGATTTTGGGA 60
      |||
Db      1 GCTGTGGGAACCTCTCCACGCGCACGAACTCAGCCAACGATTTCTGATAGATTTTGGGA 60

Qy     61 GTTTGACCAGAGATGCAAGGGGTGAAGGAGCGCTTCCTACCGTTAGGGAACCTCTGGGGAC 120
      |||
Db     61 GTTTGACCAGAGATGCAAGGGGTGAAGGAGCGCTTCCTACCGTTAGGGAACCTCTGGGGAC 120

Qy    121 AGAGCGCCCCGCGCCGCTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTC 180
      |||
Db    121 AGAGCGCCCCGCGCCGCTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTC 180

Qy    181 GGGAAACCATAACCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGTCGCG 240
      |||
Db    181 GGGAAACCATAACCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGTCGCG 240

Qy    241 GTCCTGCTGCCAGTCCTAGCTTACTCTGCCACCACTGCCCCGGCAGGAGGAAGTTCCCCAG 300
      |||
Db    241 GTCCTGCTGCCAGTCCTAGCTTACTCTGCCACCACTGCCCCGGCAGGAGGAAGTTCCCCAG 300

Qy    301 CAGACAGTGGCCCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCAGCAGGA 360
      |||
Db    301 CAGACAGTGGCCCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCAGCAGGA 360

Qy    361 TCTCATAGATCAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACC 420
      |||
Db    361 TCTCATAGATCAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACC 420

Qy    421 AACGCTTCCAACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAATCAGATCAAAAA 480
      |||
Db    421 AACGCTTCCAACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAATCAGATCAAAAA 480

Qy    481 CATAAAAGTTCCTGCACCATGACCAGAGACACAGTGTGTCAGTGTAAGAAGGCACCTTC 540
      |||
Db    481 CATAAAAGTTCCTGCACCATGACCAGAGACACAGTGTGTCAGTGTAAGAAGGCACCTTC 540

Qy    541 CGGAATGAAAACCTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTC 600
      |||
Db    541 CGGAATGAAAACCTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTC 600

Qy    601 CAAGTCAGTAATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAAT 660
      |||
Db    601 CAAGTCAGTAATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAAT 660

Qy    661 GCCACTGTGGAAACCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCC 720
      |||
Db    661 GCCACTGTGGAAACCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCC 720

Qy    721 CCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAG 780
      |||
Db    721 CCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAG 780
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Qy 781 ACAATGACCACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGC 840
    |||
Db 781 ACAATGACCACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGC 840

Qy 841 CCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCC 900
    |||
Db 841 CCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCC 900

Qy 901 TCTTCTCATTACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATT 960
    |||
Db 901 TCTTCTCATTACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATT 960

Qy 961 GTGTTTGTGTTGAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTTCAGGT 1020
    |||
Db 961 GTGTTTGTGTTGAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTTCAGGT 1020

Qy 1021 AGGCGCTGGCTGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGT 1080
    |||
Db 1021 AGGCGCTGGCTGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGT 1080

Qy 1081 TCCCACAGACAGAAACGCCTGCCCTGCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1140
    |||
Db 1081 TCCCACAGACAGAAACGCCTGCCCTGCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1140

Qy 1141 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1180
    |||
Db 1141 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1180

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RESULT 2

V56990

ID V56990 standard; cDNA; 1410 BP.

AC V56990;

DT 11-JAN-1999 (first entry)

DE Human tumour necrosis related receptor TR5 cDNA.

KW Tumour necrosis related receptor; TR5; human; inflammation;

KW arthritis; septicaemia; transplant rejection; autoimmune disease;

KW inflammatory bowel disease; graft versus host disease; infection;

KW stroke; ischaemia; acute respiratory disease syndrome; psoriasis;

KW restenosis; brain injury; AIDS; bone disease; cancer;

KW atherosclerosis; Alzheimer's disease; therapy; diagnosis; ss.

OS Homo sapiens.

FH Key Location/Qualifiers

FT CDS 69. .968

FT /*tag= a

FT sig_peptide 69. .263

FT /*tag= b

FT mat_peptide 264. .965

FT /*tag= b

PN EP-867509-A2.

PD 30-SEP-1998.

PF 04-FEB-1998; 300827.

PR 28-JUL-1997; US-901469.

PR 05-FEB-1997; US-795910.

PA (SMIK) SMITHKLINE BEECHAM CORP.

PI Lyn SDP, Tan KB, Truneh A, Young PR;

DR WPI; 98-497862/43.
DR P-PSDB; W76331.
PT New polynucleotide encoding TR5 polypeptide - used to diagnose,
PT prevent and treat e.g. inflammation, arthritis, septicaemia,
PT autoimmune diseases, infections, stroke, ischaemia, ARDS, psoriasis,
PT restenosis, brain injury, AIDS and bone diseases
PS Claim 4; Fig 1; 22pp; English.
CC This nucleotide sequence codes for human tumour necrosis related
CC receptor, TR5 (see W76331). An expressed sequence tag (EST 213397)
CC derived from a cDNA library made from human prostate was found to
CC have sequence similarity to the human tumour necrosis factor (TNF)
CC receptor. A search through several overlapping ESTs indicated that
CC this represented the 5' most EST of the assemble and so it was
CC completely sequenced. Analysis of the 1410 cDNA sequence indicated
CC that it encoded a complete open reading frame for a novel member of
CC the TNF receptor superfamily. A polynucleotide encoding TR5 can
CC be obtained from a cDNA library derived from mRNA in cells of
CC prostate, endothelial cells, interleukin-1 beta-treated smooth
CC muscle cells, foetal liver spleen cells, and pregnant uterus using
CC expressed sequence tag analysis. Treatment of a subject in need of
CC enhanced TR5 polypeptide activity comprises administering an agonist
CC to the polypeptide and/or providing TR5 polynucleotide in a form so
CC as to effect production of the polypeptide activity in vivo.
CC Treatment of a subject with the need to inhibit TR5 polypeptide
CC activity comprises administering an antagonist to the polypeptide,
CC administering a nucleic acid that inhibits the expression of the
CC nucleotide sequence encoding the polypeptide and/or administering a
CC polypeptide that competes with the polypeptide for its ligand,
CC substrate or receptor. Diagnosing a disease or a susceptibility
CC to a disease related to expression or activity of TR5 polypeptide,
CC comprises determining the presence or absence of mutation in the
CC nucleotide sequence encoding the TR5 polypeptide in the genome of
CC the subject and/or analysing for the presence or amount of TR5
CC polypeptide expression in a sample. Identification of compounds
CC which bind to TR5 comprises contacting host cells with a candidate
CC compound and assessing the ability of it to bind to the cells. The
CC active agents can be used for the treatment of chronic and acute
CC inflammation, arthritis, septicaemia, autoimmune diseases (e.g.
CC inflammatory bowel disease, psoriasis), transplant rejection,
CC graft vs host disease, infection, stroke, ischaemia, acute
CC respiratory disease syndrome, restenosis, brain injury, AIDS, bone
CC diseases, cancer (e.g. lymphoproliferative disorders),
CC atherosclerosis and Alzheimer's disease.
SQ Sequence 1410 BP; 342 A; 420 C; 371 G; 277 T;

Query Match 93.6%; Score 1104.4; DB 1; Length 1410;
Best Local Similarity 99.9%; Pred. No. 4.9e-224;
Matches 1105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	8	GAACCTCTCCACGCGCACGAACTCAGCCAACGATTTCTGATAGATTTTTGGGAGTTTGAC	67
Db	4	GAGCCTCTCCACGCGCACGAACTCAGCCAACGATTTCTGATAGATTTTTGGGAGTTTGAC	63
Qy	68	CAGAGATGCAAGGGGTGAAGGAGCGCTTCCTACCGTTAGGGAACCTCTGGGGACAGAGCGC	127
Db	64	CAGAGATGCAAGGGGTGAAGGAGCGCTTCCTACCGTTAGGGAACCTCTGGGGACAGAGCGC	123

Qy	128	CCCGGCCGCCTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTCGGGAACC	187
Db	124	CCCGGCCGCCTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTCGGGAACC	183
Qy	188	ATACCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGTCGCGGTCTCTGC	247
Db	184	ATACCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGTCGCGGTCTCTGC	243
Qy	248	TGCCAGTCCTAGCTTACTCTGCCACCACTGCCCCGGCAGGAGGAAGTTCCCCAGCAGACAG	307
Db	244	TGCCAGTCCTAGCTTACTCTGCCACCACTGCCCCGGCAGGAGGAAGTTCCCCAGCAGACAG	303
Qy	308	TGGCCCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGCAGGATCTCATA	367
Db	304	TGGCCCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGCAGGATCTCATA	363
Qy	368	GATCAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTT	427
Db	364	GATCAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTT	423
Qy	428	CCAACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAATCAGATCAAAAACATAAAA	487
Db	424	CCAACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAATCAGATCAAAAACATAAAA	483
Qy	488	GTTCTGCAACCATGACCAGAGACACAGTGTGTGTCAGTGTAAAGAAGGCACCTTCCGGAATG	547
Db	484	GTTCTGCAACCATGACCAGAGACACAGTGTGTGTCAGTGTAAAGAAGGCACCTTCCGGAATG	543
Qy	548	AAAACTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCA	607
Db	544	AAAACTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCA	603
Qy	608	GTAATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTG	667
Db	604	GTAATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTG	663
Qy	668	TGGAAACCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCCCCAGCTG	727
Db	664	TGGAAACCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCCCCAGCTG	723
Qy	728	CTGAAGAGACAATGAACACCAGCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGA	787
Db	724	CTGAAGAGACAATGAACACCAGCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGA	783
Qy	788	CCACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGA	847
Db	784	CCACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGA	843
Qy	848	CTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTC	907
Db	844	CTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTC	903
Qy	908	ATTACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTG	967
Db	904	ATTACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTG	963

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Qy  968 TTTGAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTTCAGGTAGGCGCT 1027
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  964 TTTGAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTTCAGGTAGGCGCT 1023

Qy  1028 GGCTGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCACACA 1087
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1024 GGCTGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCACACA 1083

Qy  1088 GACAGAAACGCCTGCCCCCTGCCCCAA 1113
      ||||||||||||||||||||||||||
Db  1084 GACAGAAACGCCTGCCCCCTGCCCCAA 1109

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RESULT 3

V51348

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ID  V51348 standard; DNA; 1392 BP.
AC  V51348;
DT  23-OCT-1998 (first entry)
DE  Human TRID genomic DNA.
KW  TRAIL receptor without intracellular domain; TRID; TNFR-5; human;
KW  tumour necrosis factor receptor-5; TNF-related apoptosis-inducing ligand;
KW  haematopoietic tissue; immune system; ligand; apoptosis; treatment; ss.
OS  Homo sapiens.
FH  Key          Location/Qualifiers
FT  CDS          183..962
FT              /*tag= a
FT  sig_peptide  183..260
FT              /*tag= b
FT  mat_peptide  261..959
FT              /*tag= c
FT              /product= "TRID"
FT              /note= "TRAIL receptor without intracellular domain"
PN  WO9830693-A2.
PD  16-JUL-1998.
PF  13-JAN-1998; U00152.
PR  07-AUG-1997; US-054885.
PR  14-JAN-1997; US-035496.
PA  (HUMA-) HUMAN GENOME SCI INC.
PI  Ebner R, Feng P, Gentz RL, Ni J, Ruben SM, Wei Y,
PI  Yu G;
DR  WPI; 98-399141/34.
DR  P-PSDB; W64668.
PT  Human TRAIL receptor without an intracellular domain polypeptide -
PT  used in the diagnosis of immune system-related disorder(s)
PS  Claim 2; Fig 1; 90pp; English.
CC  This sequence encodes a human TRID (TRAIL (TNF-related apoptosis-inducing
CC  ligand) receptor without an intracellular domain). TRID is a member of
CC  the tumour necrosis factor receptor (TNFR) family also known as TNFR-5.
CC  TRID is expressed in haematopoietic tissues and other normal human
CC  tissues. For a number of immune system-related disorders, substantially
CC  altered (whether increased or decreased) levels of TRID gene expression
CC  can be detected, therefore the TRID polypeptides, nucleic acids and
CC  antibodies are useful in the diagnosis of such immune system related
CC  disorders. Mutations of the TRID gene can also be detected. TRID can also
CC  be used to identify ligands which may be useful in the treatment of
CC  apoptosis related disorders. TRID is administered to humans at a
CC  parenteral dose of 0.01 to 1 mg/kg/day.

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Db      721 AAGAGACAATGAACACCAGCCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCA 780
Qy      791 CCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTC 850
          |||
Db      781 CCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTC 840
Qy      851 CTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTCATT 910
          |||
Db      841 CTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTCATT 900
Qy      911 ACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGT 970
          |||
Db      901 ACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGT 960
Qy      971 GAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTTCAGGTAGGCGCTGGC 1030
          |||
Db      961 GAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTTCAGGTAGGCGCTGGC 1020
Qy      1031 TGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCCACAGAC 1090
          |||
Db      1021 TGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCCACAGAC 1080
Qy      1091 AGAAACGCCTGCCCTGCCCCAA 1113
          |||
Db      1081 AGAAACGCCTGCCCTGCCCCAA 1103

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RESULT 4

X23412

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ID      X23412 standard; DNA; 1365 BP.
AC      X23412;
DT      18-JUN-1999 (first entry)
DE      Human hAPO9 DNA.
KW      Tumour necrosis factor receptor; signal transducer molecule; TNF; APO4;
KW      developmental abnormality; gestational abnormality; prostate cancer;
KW      APO6; APO8; APO9; TNRL-1; TNRL-3; diagnosis; treatment; therapy; disease;
KW      cytoplasmic domain; immunogen; antibody preparation; breast carcinoma;
KW      apoptosis; human; ss.
OS      Homo sapiens.
FH      Key          Location/Qualifiers
FT      CDS          123. .955
FT      /*tag= a
FT      /product= "APO9"
PN      WO9911791-A2.
PD      11-MAR-1999.
PF      04-SEP-1998; U18393.
PR      05-SEP-1997; US-924634.
PA      (UNIW ) UNIV WASHINGTON.
PI      Chaudhary PM;
DR      WPI; 99-205191/17.
DR      P-PSDB; W93578.
PT      New Tumor Necrosis Factor family receptor polypeptides and ligands -
PT      useful for diagnosis and treatment of prostate cancer and
PT      developmental or gestational abnormalities
PS      Example III; Fig 6; 156pp; English.
CC      This invention describes isolated Tumor Necrosis Factor (TNF) family
CC      receptor polypeptides: APO4, APO6, APO8 and APO9 or their active

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CC fragments, and isolated TNF related ligands 1 and 3 (TNRL1 and TNRL3) or
 CC their active fragments. APO4 is useful for diagnosing prostate cancer
 CC by determining levels of APO4 in an individual. Prostate cancer can also
 CC be treated using APO4 selective binding agents linked to a therapeutic
 CC moiety. APO4 polypeptides are also useful for identifying selective
 CC binding agents, useful in diagnosis/treatment of disease by binding of
 CC agents to the polypeptide/active fragment which is extracellular, or
 CC expressed on the cell surface. The binding is preferably performed in
 CC vivo. APO4 polypeptides/ active fragments are also useful for screening
 CC for agonists and antagonists by binding and observing the changer in APO4
 CC activity. Effective pharmacological agents useful in diagnosis or
 CC treatment of disease are also identified using APO4 polypeptides/active
 CC fragments and APO4 signal transducer molecules that specifically interact
 CC with a cytoplasmic domain of APO4 and detecting a change in level of APO4
 CC activity. The method is performed in vivo or in vitro. APO polypeptides
 CC are all useful as immunogens for preparing antibodies. APO4 is also
 CC useful for diagnosis/treatment of developmental or gestational
 CC abnormalities. APO8 was transfected to human breast carcinoma cell line
 CC MCF-7, and induced apoptosis.
 SQ Sequence 1365 BP; 321 A; 411 C; 362 G; 271 T;

Query Match 90.5%; Score 1067.6; DB1; Length 1365;
 Best Local Similarity 99.5%; Pred. No. 2.7e-216;
 Matches 1092; Conservative 0; Mismatches 4; Indels 2; Gaps 2;

Qy	17	CACGCGCACGAACCTCAGCCAACGATTTCTGATAGATTTTTGGGAGTTTGACCAGAGATGC	76
Db	1	CACGCGCACGAACCTCAGCCAACGATTTCTGATAGATTTTTGGGAGTTTGACCAGAGATGC	60
Qy	77	AAGGGGTGAAGGAGCGCTTCTACCGTTAGGGAACCTCTGGGGACAGAGCGCCCCGCGCCGC	136
Db	61	AAGGGGTGAAGGAGCGCTTCTACCGTTA-GGAACCTCTGGGGACAGAGCGCCCCGCGCCGC	119
Qy	137	CTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTCGGAACCATACCATGG	196
Db	120	CTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTCGGAACCATACCATGG	179
Qy	197	CCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGTCGCGGTCCTGCTGCCAGTCC	256
Db	180	CCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGTCGCGGTCCTGCTGCCAGTCC	239
Qy	257	TAGCTTACTCTGCCACCACTGCCCGGCAGGAGGAAGTTCCCCAGCAGACAGTGGCCCCAC	316
Db	240	TAGCTTACTCTGCCACCACTGCCCGGCAGGAGGAAGTTCCCCAGCAGACAGTGGCCCCAC	299
Qy	317	AGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGCAGGATCTCATAGATCAGAAC	376
Db	300	AGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGCAGGATCTCATAGATCAGAAC	359
Qy	377	ATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCAACAATG	436
Db	360	ATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCAACAATG	419
Qy	437	AACCTTCTTGCTTCCCATGTACAGTTTGTAATCAGATCAAAAACATAAAAGTTCCTGCA	496
Db	420	AACCTTCTTGCTTCCCATGTACAGTTTGTAATCAGATCAAAAACATAAAAGTTCCTGCA	479

Qy	497	CCATGACCAGAGACACAGTGTGTCTAGTGTAAGAAGGCACCTTCCGGAATGAAAACCTCCC	556
Db	480	CCATGACCAGAGACACAGTGTGTCTAGTGTAAGAAGGCACCTTCCGGAATGAAAACCTCCC	539
Qy	557	CAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCAGTAATTGTA	616
Db	540	CAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCAGTAATTGTA	599
Qy	617	CGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGGAAACCC	676
Db	600	CGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGGAAACCC	659
Qy	677	CAGCTGCTGAAGAGACAATGAACACCAGCCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGA	736
Db	660	CAGCTGCTGAAGAGACAATGAACACCAGCCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGA	719
Qy	737	CAATGAACACCAGCCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCC	796
Db	720	CAATGAACACCAGCCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCC	779
Qy	797	CGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCCGGGGACTCCTGCCC	856
Db	780	CGGGGACTCCTGCCCCAGCTGCTGAAGAGAGAATGACCACCAGCCCCGGGGACTCCTGCCC	839
Qy	857	CAGCTGCTGAAGAGACAATGACCACCAGCCCCGGGGACTCCTGCCTCTTCTCATTACCTCT	916
Db	840	CAGCTGCTGAAGAGACAATGACCACCAGCCCCGGGGACTCCTGCCTCTTCTCATTACCTCT	899
Qy	917	CATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGTGTTGAAAGA	976
Db	900	CATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGTGTTGAAAGA	959
Qy	977	CTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAAGGTTCA-GGTAGGCGCTGGCTGAGG	1035
Db	960	CTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAAGGTTACGTTACGCGCTGGCTGAAG	1019
Qy	1036	GCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCCACAGACAGAAA	1095
Db	1020	GCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCCACAGACAGAAA	1079
Qy	1096	CGCCTGCCCCCTGCCCCAA	1113
Db	1080	CGCCTGCCCCCTGCCCCAA	1097

RESULT 5

X16692

ID X16692 standard; cDNA; 1347 BP.

AC X16692;

DT 04-MAY-1999 (first entry)

DE Human TNF-related apoptosis-inducing ligand binding protein cDNA.

KW Human; TNF-related apoptosis-inducing ligand binding protein; clotting;

KW TRAIL-BP; tumour necrosis factor; T cell death; HIV; gene therapy;

KW thrombotic microangiopathy; thrombotic thrombocytopenic purpura;

KW haemolytic-uraemic syndrome; systemic lupus erythematosus; ss.

OS Homo sapiens.

FH Key Location/Qualifiers
 FT CDS 24. .923
 FT /*tag= a
 PN WO9900423-A1.
 PD 07-JAN-1999.
 PF 25-JUN-1998; U13491.
 PR 26-JUN-1997; US-883529.
 PA (IMMV) IMMUNEX CORP.
 PI Smith CA, Walczak H;
 DR WPI; 99-095685/08.
 DR P-PSDB; W94671.
 PT New isolated TRAIL binding protein - which binds to a tumour
 PT necrosis factor-related apoptosis inducing ligand, used in the
 PT diagnosis and treatment of TRAIL-mediated disorders
 PS Claim 1; Fig 1; 47pp; English.
 CC The present sequence encodes human tumour necrosis factor (TNF)-related
 CC apoptosis-inducing ligand (TRAIL) binding protein (BP). TRAIL-BP can be
 CC used for inhibiting the biological activities of TRAIL or for purifying
 CC TRAIL. TRAIL-BP proteins can be used for treating a TRAIL-mediated
 CC disorder such as T cell death in HIV-infected patients. They can be used
 CC for treating thrombotic microangiopathies such as thrombotic
 CC thrombocytopenic purpura, haemolytic-uraemic syndrome, clotting of small
 CC blood vessels or systemic lupus erythematosus. The TRAIL-BP nucleic
 CC acids can also be used for gene therapy. They can also be used as
 CC carriers for delivering attached agents to cells bearing TRAIL.
 SQ Sequence 1347 BP; 326 A; 401 C; 361 G; 259 T;

Query Match 89.6%; Score 1057; DB 1; Length 1347;
 Best Local Similarity 100.0%; Pred. No. 4.6e-214;
 Matches 1057; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	57	GGGAGTTT	GACCAGAGATGCAAGGGGTGAAGGAGCGCTTCCTACCGTTAGGGAACTCTGG	116
Db	8	GGGAGTTT	GACCAGAGATGCAAGGGGTGAAGGAGCGCTTCCTACCGTTAGGGAACTCTGG	67
Qy	117	GGACAGAGCGCCCCGGCCGCCTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGG	176	
Db	68	GGACAGAGCGCCCCGGCCGCCTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGG	127	
Qy	177	CGTCGGAACCATACCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGT	236	
Db	128	CGTCGGAACCATACCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCGTCGTCATCGT	187	
Qy	237	CGCGGTCCTGCTGCCAGTCCTAGCTTACTCTGCCACCACTGCCCGGCAGGAGGAAGTTCC	296	
Db	188	CGCGGTCCTGCTGCCAGTCCTAGCTTACTCTGCCACCACTGCCCGGCAGGAGGAAGTTCC	247	
Qy	297	CCAGCAGACAGTGGCCCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGC	356	
Db	248	CCAGCAGACAGTGGCCCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGC	307	
Qy	357	AGGATCTCATAGATCAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTA	416	
Db	308	AGGATCTCATAGATCAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTA	367	
Qy	417	CACCAACGCTTCCAACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAAATCAGATCA	476	

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Db 368 CACCAACGCTTCCAACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAAATCAGATCA 427
Qy 477 AAAACATAAAAGTTCCTGCACCATGACCAGAGACACAGTGTGTGTCAGTGTAAAGAAGGCAC 536
|||||
Db 428 AAAACATAAAAGTTCCTGCACCATGACCAGAGACACAGTGTGTGTCAGTGTAAAGAAGGCAC 487
Qy 537 CTTCCGGAATGAAAACCTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGA 596
|||||
Db 488 CTTCCGGAATGAAAACCTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGA 547
Qy 597 AGTCCAAGTCAGTAATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGC 656
|||||
Db 548 AGTCCAAGTCAGTAATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGC 607
Qy 657 CAATGCCACTGTGGAAACCCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCC 716
|||||
Db 608 CAATGCCACTGTGGAAACCCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCC 667
Qy 717 TGCCCCAGCTGCTGAAGAGACAATGAACACCAGCCCAGGGACTCCTGCCCCAGCTGCTGA 776
|||||
Db 668 TGCCCCAGCTGCTGAAGAGACAATGAACACCAGCCCAGGGACTCCTGCCCCAGCTGCTGA 727
Qy 777 AGAGACAATGACCACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCAC 836
|||||
Db 728 AGAGACAATGACCACCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCAC 787
Qy 837 CAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCC 896
|||||
Db 788 CAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCC 847
Qy 897 TGCCTCTTCTCATTACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCT 956
|||||
Db 848 TGCCTCTTCTCATTACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCT 907
Qy 957 GATTGTGTTTGTGTTGAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTC 1016
|||||
Db 908 GATTGTGTTTGTGTTGAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTC 967
Qy 1017 AGGTAGGCGCTGGCTGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCT 1076
|||||
Db 968 AGGTAGGCGCTGGCTGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCT 1027
Qy 1077 GTGTTCCACAGACAGAAACGCCTGCCCCTGCCCCAA 1113
|||||
Db 1028 GTGTTCCACAGACAGAAACGCCTGCCCCTGCCCCAA 1064

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RESULT 6

X27280

ID X27280 standard; DNA; 900 BP.

AC X27280;

DT 02-JUN-1999 (first entry)

DE Human TRAIL-R3 coding sequence.

KW Human; DR5; DR5s; TRAIL-R3; apoptosis related condition; cancer; therapy;

KW autoimmune disease; viral infection; degenerative disorder;

KW amyotrophic lateral sclerosis; retinitis pigmentosa; ischaemic injury;


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Qy 373 GAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCAAC 432
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 301 GAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCAAC 360

Qy 433 AATGAACCTTCTTGCTTCCCATGTACAGTTTGTAAATCAGATCAAAAACATAAAAAGTTCC 492
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 361 AATGAACCTTCTTGCTTCCCATGTACAGTTTGTAAATCAGATCAAAAACATAAAAAGTTCC 420

Qy 493 TGCACCATGACCAGAGACACAGTGTGTCTAGTGTAAAGAAGGCACCTTCCGGAATGAAAAC 552
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 421 TGCACCATGACCAGAGACACAGTGTGTCTAGTGTAAAGAAGGCACCTTCCGGAATGAAAAC 480

Qy 553 TCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAAGTCCAAGTCAGTAAT 612
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 481 TCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAAGTCCAAGTCAGTAAT 540

Qy 613 TGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGGAA 672
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 541 TGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGGAA 600

Qy 673 ACCCCAGCTGCTGAAGAGACAATGAACACCAGCCCCGGGGACTCCTGCCCCAGCTGCTGAA 732
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 601 ACCCCAGCTGCTGAAGAGACAATGAACACCAGCCCCGGGGACTCCTGCCCCAGCTGCTGAA 660

Qy 733 GAGACAATGAACACCAGCCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACC 792
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 661 GAGACAATGAACACCAGCCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACC 720

Qy 793 AGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCT 852
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 721 AGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCT 780

Qy 853 GCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTCATTAC 912
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 781 GCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTCATTAC 840

Qy 913 CTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGTGA 972
    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 841 CTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGTGA 900

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RESULT 7

X19957

ID X19957 standard; cDNA; 3569 BP.

AC X19957;

DT 15-JUN-1999 (first entry)

DE Human Tango-74 encoding cDNA.

KW Human; Tango-71; Tango-73; Tango-74; Tango-76; Tango-83; diagnosis;

KW detection; ds.

OS Homo sapiens.

FH Key Location/Qualifiers

FT CDS 104. .1264

FT /*tag= a

PN WO9907850-A1.

PD 18-FEB-1999.

PF 06-AUG-1998; U16502.

SUMMARIES

% Apo-2DcR

Result No.	Score	Query Match	Length	DB	ID	Description
1	1180	100.0	1180	24	US-08-878-168-2	Sequence 2, Appli
2	1180	100.0	1180	24	US-08-878-168-4	Sequence 4, Appli
3	1180	100.0	1180	24	US-08-878-168-2	Sequence 2, Appli
4	1180	100.0	1180	24	US-08-878-168-4	Sequence 4, Appli
5	1180	100.0	1180	37	US-09-096-500-2	Sequence 2, Appli
6	1180	100.0	1180	37	US-09-096-500-4	Sequence 4, Appli
7	1116.8	94.6	1121	1	PCT-US99-05243-7	Sequence 7, Appli
8	1116.8	94.6	1121	36	US-09-079-124-1	Sequence 1, Appli
9	1116.8	94.6	1121	42	US-09-266-105-7	Sequence 7, Appli
10	1104.4	93.6	1410	20	US-08-795-910-1	Sequence 1, Appli
11	1104.4	93.6	1410	25	US-08-901-469-1	Sequence 1, Appli
12	1103	93.5	1392	34	US-09-006-353A-1	Sequence 1, Appli
13	1103	93.5	1392	55	US-60-035-496-1	Sequence 1, Appli
14	1069.2	90.6	1365	27	US-08-924-634A-5	Sequence 5, Appli
15	1057	89.6	1347	1	PCT-US98-13491-1	Sequence 1, Appli
16	1057	89.6	1347	24	US-08-883-529-1	Sequence 1, Appli
17	1057	89.6	1347	40	US-09-229-980-1	Sequence 1, Appli